

Rayat Shikshan Sanstha's

## **D.P. Bhosale College, Koregaon.**

**Department of Botany**

**2017-2018**

*Autonomous (Self Financed) Short term certificate course.*

### **Conservation and Cultivation of Medicinal Plants**


1. Eligibility : XII std. pass.
2. Duration of Course : 3 Month.
3. No. of Students : 20
4. Admission fee : Rs/- 200/-
5. Examination : Theory (50 marks),  
: Practical (40 marks)  
: Excursion report (Polyhouse, Shednet) – 10 marks.  
: Total 100 marks.
6. Faculty : Dr. B. A. Kore  
: Dr. A. A. Jagtap
7. Coordinator : Dr. B. A. Kore
8. Director : Principal, D.P. Bhosale College, Koregaon.

  
(Dr. B. A. Kore)

**Head**  
**Department of Botany**  
**D. P. Bhosale College, Koregaon**

*Rayat Shikshan Sanstha's*  
**D. P. Bhosale College, Koregoan**  
**Department of Botany**  
**SHORT TERM COURSE (2017-2018)**  
**INDEX**

Sr. No.	Content
1	Board Of Studies Committee
2	Syllabus
4	Time Table
5	Syllabus Distribution
6	Notice
7	Question papers
8	List of students Enrolled
9	Result
10	Outcomes of short term course

  
(Dr. B. A. Kore)

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## D.P. Bhosale College, Koregaon.

Department of Botany


2017-2018

### Short Term course- Conservation and Cultivation of Medicinal Plants

#### Syllabus: - Theory.

- A) Introduction: ..... (2 Lecture)  
Medicinal Plants and their role in health
- B) Study of medicinal Plants ..... (12 Lectures)  
Brief account of plant drugs and their chief constituents used in Indigenous medicines.
- a. Rhizome- *Zingiber officinalis*, *Glycerrhiza glabra*
  - b. Root- *Raulfia serpentina*, *Withania somnifera*.
  - c. Stem- *Tinospora cordifolia*
  - d. Leaf- *Aloe vera*, *Adathoda zeylanica*
  - e. Floral bud- *Sizygium aromaticum*
  - f. Fruit bud- *Emblica officinalis*
- C) Cultivation of Medicinal plants ..... (6 Lectures)
- a. Introduction
  - b. Methods and cultural practices of cultivation of *Zingiber officinalis*, *Withania somnifera*, *Aloe vera*, *Emblica officinalis*
- D) Conservation of medicinal plants ..... (4 Lectures)
- a. Introduction.
  - b. Various methods of conservation- Polyhouse and shednets

(Total 24 Lectures)

  
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**Department of Botany**

2017-2018

**Short Term course- Conservation and Cultivation of Medicinal Plants**

**Syllabus: - Practicals.**

**List of Experiments-**


1. Study of medicinal Plants wrt morphology of useful parts, active principle and uses of-
  - a. *Zingiber officinalis*,
  - b. *Glycerrhiza glabra*
  - c. *Raulfia serpentina*,
  - d. *Withania somnifera*.
  - e. *Tinospora cordifolia*
  - f. *Aloe vera*,
  - g. *Adathoda zeylanica*
  - h. *Sizygium aromaticum*
  - i. *Emblica officinalis*
  
2. Methods of cultivation of medicinal plants.
  - a. *Zingiber officinalis*,
  - b. *Glycerrhiza glabra*
  - c. *Raulfia serpentina*,
  - d. *Withania somnifera*.
  - e. *Tinospora cordifolia*
  - f. *Aloe vera*,
  - g. *Adathoda zeylanica*
  - h. *Sizygium aromaticum*
  - i. *Emblica officinalis*
  
3. Techniques of conservation of medicinal plants
  - a. Collection of plants
  - b. Conservation in polyhouse
  - c. Conservation in shednet
  
4. Visit to polyhouse and shednet

  
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**D. P. Bhosale College, Koregaon**  
**Department of Botany**  
**Short Term Course (2017-2018)**  
**BOARD OF STUDIES COMMITTEE**

<b>Sr.No.</b>	<b>Expert committee members</b>	<b>Name of the Committee member</b>	<b>Affiliation</b>
1	Internal	Dr.B.A.Kore	Head, Department of Botany, D. P. Bhosale College, Koregaon, District: Satara
2	Internal	Dr.A.A.Jagtap	Assistant Professor, Department of Botany, D. P. Bhosale College, Koregaon, District: Satara
3	Internal	Dr.U.S.Pawar	Head, Department of Botany, Amdar Shashikant Shinde College, Medha

  
(Dr. B. A. Kore)

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## D.P. Bhosale College, Koregaon.

Department of Botany

2017-2018

*Autonomous (Self Financed) Short term certificate course.*

**Short Term course- Conservation and Cultivation of Medicinal Plants**

**Duration: - Three months**

**TIME TABLE:**

**Theory and Practical (Per week)**

TIME	MON.	TUE.	WED.	THU.	FRI.	SAT.
<b>THEORY</b>						
10.30- 11.20 a.m.	AAJ	BAK				
<b>PRACTICAL</b>						
3.30 – 5.30 p.m.	BAK	AAJ			-----	-----



Coordinator.  
Head

Department of Botany  
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Director/Principal

D.P. Bhosale College Koregaon.

Rayat Shikshan Sanstha's

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Department of Botany

2017-2018

*Autonomous (Self Financed) Short term certificate course.*

**Short Term course- Conservation and Cultivation of Medicinal Plants**

**NOTICE**

Student of short term course **Conservation and Cultivation of Medicinal Plants** are hereby informed that their examination (Theory and Practical) will be conducted on 22& 23, March, 2018.



Coordinator.

**Head**

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Director/Principal

D.P. Bhosale College Koregaon.

**D.P.Bhosale College, Koregaon**  
**Department of Botany**  
**CERTIFICATE COURSE IN CONSERVATION & CULTIVATION OF MEDICINAL PLANTS**  
**Examination March 2018**

**Total Marks 50.**

**Date- 22.03.2018**

**Time- 11.00 to 1.00 pm**

- Instructions : 1) All questions are Compulsory  
2) Draw neat and labeled diagrams wherever necessary  
3) Figures to the right indicate full marks.

**Q.1. Give general account of plant drugs and chief constituents of *Tinospora cordifolia* used in indigenous and allopathic system.**

OR

**What are plant drugs ? Give an account of sources of plants used for making medicine. 20**

**Q.2. Write short notes on any three.**

**30**


- a) Chemical constituents of *Witania somnifera*..
- b) Clove as medicinal plant.
- c) Plant drugs obtained from leaves..
- d) *Embilca officinalis*.
- e) *Zingiber officinalis*



**D.P.Bhosale College, Koregaon**  
**Department of Botany**  
**CERTIFICATE COURSE IN**  
**CONSERVATION AND CULTIVATION OF MEDICINAL PLANTS**  
**List of students Enrolled 2017-2018**

Sr.no	Roll no.	Name of the student	% of Presenty	Grade
1	1301	Bale Santosh Maruti	82	O
2	1302	Barge Abhijit Sharad	80	A
3	1303	Barge Uddesh Pandurang	83	B
4	1304	Bhoite Komal Arjun	89	O
5	1305	Bhosale Gouri Bharat	90	C
6	1306	Bobade Shivanjali Sahebrao	95	B
7	1307	Botalji Pratik Sunil	100	O
8	1308	Chavan Akshay Bapurao	96	O
9	1309	Chavan Vivek Bhanudas	98	A
10	1310	Chinchkar Vaishnavi Vijay	100	O
11	1311	Gaikwad Pratiksha Anil	94	A
12	1312	Jadhav Mayur Vikram	85	B
13	1313	Jadhav Priyanka Mahendra	88	B
14	1314	Jadhav Sneha Sudhir	100	A
15	1315	Kadam Akshay Anil	100	O
16	1316	Kadam Ganesh Arun	90	B
17	1317	Kshirsagar Rohit Dattatray	85	B
18	1318	Kshirsagar Shridhar Lahu	92	A
19	1319	Kudave Jyoti Nitin	100	O
20	1320	Kumbhar Rutuja Rajendra	90	A

**Grades:- O: Above 70, A: 60-69, B: 50-59, C:40-50**


  
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**CONSERVATION AND CULTIVATION OF MEDICINAL PLANTS**  
**Result of Exam 2017-2018**

Sr. no	Roll no.	Name of the student	% of Presenty	Theory /50	Practical /50	Grade
1	1301	Bale Santosh Maruti	82	40	45	O
2	1302	Barge Abhijit Sharad	80	32	35	A
3	1303	Barge Uddesh Pandurang	83	20	25	B
4	1304	Bhoite Komal Arjun	89	41	43	O
5	1305	Bhosale Gouri Bharat	90	15	25	C
6	1306	Bobade Shivanjali Sahebrao	95	25	32	B
7	1307	Botalji Pratik Sunil	100	40	46	O
8	1308	Chavan Akshay Bapurao	96	39	42	O
9	1309	Chavan Vivek Bhanudas	98	29	40	A
10	1310	Chinchkar Vaishnavi Vijay	100	40	45	O
11	1311	Gaikwad Pratiksha Anil	94	30	38	A
12	1312	Jadhav Mayur Vikram	85	20	30	B
13	1313	Jadhav Priyanka Mahendra	88	22	31	B
14	1314	Jadhav Sneha Sudhir	100	25	34	A
15	1315	Kadam Akshay Anil	100	40	45	O
16	1316	Kadam Ganesh Arun	90	22	36	B
17	1317	Kshirsagar Rohit Dattatray	85	18	35	B
18	1318	Kshirsagar Shridhar Lahu	92	28	35	A
19	1319	Kudave Jyoti Nitin	100	38	46	O
20	1320	Kumbhar Rutuja Rajendra	90	28	30	A

**Grades:- O: Above 70, A: 60-69, B: 50-59, C:40-50**

  
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**Conservation and Cultivation of Medicinal Plants**

Department of Botany conducted short term course for students on "**Cultivation and conservation of Medicinal Plants**". About 20 students are enrolled in this short term course. Separate garden of rare medicinal plants is maintained by the department of Botany. The students are benefited and awareness regarding conservation of rare plants is created among themselves.

  
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"Education through self-help is our motto" – Karmaveer

Estd: 1968

Rayat Shikshan Sanstha's,



## D.P. Bhosale College, Koregaon

Tal. Koregaon, Dist.- Satara, 415 501, Maharashtra (India)

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**Arts, Commerce, Science, BCA, B.Voc.(Sust. Agri.)**

NAAC Reaccredited: 'A' Grade with CGPA3.12 ISO 9001: 2015 Certified

Affiliated : Shivaji University, Kolhapur \* Uni. Affil. No. UKF/7569/11529-y \* Jr. College Index No. J21.05.001

**Principal, Dr. Vijaysinh S. Sawant M.Sc. Ph.D.**

Ref. No. : समक्ष

Date : 11/12/2017

To,

Dr. U. S. Pawar,

Head, Department of Botany,

Amdar Shashikant Shinde Mahavidyalaya, Medha

Dear Sir,

We are honoured to appoint you as External Expert in the sub-committee of Short term course "Conservation and cultivation of medicinal plants" in the Department of Botany. Your experience and expertise would be helpful in refining the subject content for it's effective delievery to the students. Hopeful that you will accept our request, we await your acceptance to our offer.

Thanking you in anticipation.



  
**PRINCIPAL**  
**D.P. BHOSALE COLLEGE**  
**KOREGAON**



RAYAT SHIKSHAN SANSTHA'S

**D. P. BHOSALE COLLEGE, KOREGAON**

DIST-SATARA, MAHARASHTRA, INDIA-415501



Certificate/ Add-On/ Value added Certificate

2017-18

## Certificate

This is to certify that, Mr./Ms./Miss.....  
.....participated in the Certificate/ Add-On/ Value added Certificate on  
“Certificate Course in Cultivation and Conservation of Medicine Plant”  
Organized by Department of Botany, D. P. Bhosale College, Koregaon, Satara  
(Maharashtra).



**Coordinator**

**Principal**